

USPS Pricing Engine SDK

May 6, 2021

Summary

This is the Domestic and International Pricing Engine SDK (version 11.10.4.0) for the May 2021 Release. The following is a list of enhancements included in this release.

BNS 71766-Priority Mail Express Service Standards & Options

The Priority Mail Express 10:30AM service is being terminated on May 23, 2021. All mail service commitment times, for all services, will be reported as 6:00 PM.

“In an effort to improve quality of service, control the costs and refunds, and provide a more predictable customer experience without significant capital investments into improving network capability, we are going to modify the service standards of Priority Mail Express.”

Impacts of this change are:

- Requests for Priority Mail Express 10:30 AM and Priority Mail Express Sunday/Holiday 10:30 AM, delivery options “XA” and “SA” respectively, will receive an error. The error message returned will be “The requested Delivery Option is not available for the specified request attributes.”
- The 10:30 AM Delivery Option will cease to exist.
- All service commitment times, for all products, will be 6:00 PM.
- The PeakPrices table will be used to support the “new prices”. A web configuration change will be required to update the date that defines when the use of the new pricing table will take effect.

```
<add startDate="05/23/2021" connectionVersion="R2101" priceTable="PeakPrices"/>
```

Request for Sunday/Holiday AM delivery	Pre 5/23	5/23/2021 and beyond
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> Selections <div style="display: flex; justify-content: space-between;"> <div>Service ID 1</div> <div>Delivery Option SA</div> </div> <div style="margin-top: 5px;">Extra IDs <div style="border: 1px solid #ccc; height: 15px; width: 100%;"></div></div> <div style="margin-top: 5px;"><input type="checkbox"/> Conversational Behavior</div> <div style="text-align: right; margin-top: 5px;">Get</div> </div> <div style="border: 1px solid #ccc; padding: 5px;"> IDCard <div style="display: flex; justify-content: space-between;"> <div>Caller ID 14</div> <div>Src ID 14</div> <div>CustomerType 014C4</div> </div> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> MailPieceAttributes <div style="border: 1px solid #ccc; height: 30px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <div>Package Package</div> <div> <div style="border: 1px solid #ccc; padding: 2px;">Package</div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; width: 15px; height: 15px; margin-right: 5px;"></div> <div style="border: 1px solid #ccc; width: 15px; height: 15px; margin-right: 5px;"></div> <div style="border: 1px solid #ccc; width: 15px; height: 15px;"></div> </div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>Shipping Date Saturday May 8, 2021</div> <div><input type="checkbox"/> No Date/Time</div> </div> <div style="margin-top: 5px;">Shipping Time 12:00</div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>Mail Entry Point Unknown</div> <div>Sortation <div style="border: 1px solid #ccc; width: 100px; height: 15px;"></div></div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>From Zip 43338</div> <div>To Zip 43201</div> <div><input type="checkbox"/> Is PO Box</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>Pounds 1</div> <div>Ounces <div style="border: 1px solid #ccc; width: 30px; height: 15px;"></div></div> </div> </div> </div>	<pre> [1] Priority Mail Express 1-Day™ Name: Priority Mail Express 1-Day™ GroupCode: DEXX0XP ID: 1 DeliveryOptions DeliveryOption Key: SA Name: 10:30 AM Sunday/Holiday Delivery Commitment: Sun, May 9 by 10:30 AM PostagePrices PostagePrice Amount: 44.25 Type: R PriceDetails PricePrice Amount: 44.25 Type: O PriceDetails MaxWeight MinWeight DimensionalRange ExtraPostageServices ServiceCommitments ExpressMail Product: EstimatedDeliveryTime: Sun, May 9 by 10:30 AM CommitmentName: 1-Day CommitmentSequence: S0110 CommitmentTime: 1030 DeliveryDateTime: 5/9/2021 10:30:00 AM IsHoliday: False DropOffLocations ServiceCommitmentGuarantee: MoneyBackGuarantee UsedByMailServices ExpressMail Product: EstimatedDeliveryTime: Mon, May 10 by 10:30 AM CommitmentName: 1-Day CommitmentSequence: A0110 CommitmentTime: 1030 DeliveryDateTime: 5/10/2021 10:30:00 AM IsHoliday: False DropOffLocations </pre>	<div style="border: 1px solid #ccc; padding: 5px;"> Exception Message : The requested Delivery Option is not available for the specified request attributes. Data </div>

Figure 1: Comparison of the results of a morning delivery request

Changes to the Database Structure

The existing databases, USPS_DOM_2021_01 and USPS_INTL_2021_01, will continue to be used. The existing PeakPricing table will be used to support this price change.

You will have to update the “dataSource” for the “PeakPrices” “priceTable” in your application configuration file to match the highlighted areas:

```
<add startDate="05/23/2021" connectionVersion="R2101" priceTable="PeakPrices" />
```

1. startDate is changed to “5/23/2021”.
2. connectionVersion is changed to “R2101”.

Libraries

The Service Delivery Commitment library is the only library being updated. The version number will remain 11.10.0.0.

Impact on Existing Applications

You will not have to rebuild your applications.

Instructions

1. Copy the DLL.
2. Execute the PeakPrices SQL script to update the peak pricing table.
3. Update the dataSource line describing the "PeakPrices" table in your application configuration file to reflect the new "startDate" and "connectionVersion" as shown below:

```
<add startDate="05/23/2021" connectionVersion="R2101" priceTable="PeakPrices" />
```

- a. startDate is changed to "5/23/2021".
- b. connectionVersion is changed to "R2101".

Contents

Description	File
Folder	Database
Folder	Domestic
Database	USPS_DOM_2021_01
SQL Script	BNS 71766 Update PeakPrices.sql
Folder	DLL
Service Delivery Extensions	ServiceDeliveryExtensions.dll
Design Model	Pricing Engine.pdf
Release Notes	USPS Pricing Engine SDK 11_10_4_0.pdf

Reported Defects and Change Request

None at this time.	
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